Earliest expansion of animal husbandry beyond the Mediterranean zone in the sixth millennium BC

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Supplementary information

Description of sites and stratigraphic contexts of pottery samples

Bulgaria

Yabalkovo

Yabalkovo is located in the valley of Maritsa, southeast Bulgaria. The investigations at the site were part of a rescue operation due to infrastructure projects. In the years 2000-2012 more than 25 000 square meters were under exploration. In contrast to the typical tell sites from Upper Thrace, Yabalkovo is described as a "flat" settlement with a vast inhabited area which, according to the scatter of archaeological materials, was estimated to cover c. 1.5 km x 2 km. The excavations revealed several phases of occupation spanning a very long period from the early 6th millennium BC to the 11th century-first quarter of the 13th century CE (the Early and Middle Neolithic, Early Chalcolithic, Early Bronze Age, Late Iron Age, Late Roman Age, and the Middle Ages). The geophysical survey and the excavations of the Early Neolithic sites revealed two separate settled areas, each surrounded by a series of concentric ditches. There is stratigraphic evidence for three building phases.These Early Neolithic settlements belong to the Karanovo I group and the ^{14}C dates indicate a life span along the first three centuries of the 6th millennium BC (Table S3). Samples were selected from the excavation campaigns in 2010, 2011 and 2012 and originated from two different areas: 1) Ditches A, A1, House 1 and a Pit 1 in Sector Southwest, and 2) a concentration of finds, part of a large area of rubbish deposition, in Square N35 in Sector North.

Nova Nadezhda

The site is situated on a low-lying terrace in the fertile floodplain of the Middle Maritsa Valley, c. 300 m from the river's right bank, and covers an area of over 5 ha. It

consists of two low mounds, separated by a stream. In 2013-2014 rescue excavation for a railway construction took place on the north edge of the northwest mound in an area of 7500 m^2. This part of the site was continually occupied from the beginning of the Early Neolithic (c. 6000 calBC) to the Final Chalcolithic (c. 4000 calBC), and then again in the Early Iron Age (11th–9th c. calBC). According to the radiocarbon dates, the Early Neolithic occupation started at c. 6000 BC and had a duration of c. 400 years (Table S3). Major archaeological features from this phase include five concentric ditches and at least one enclosure wall of wooden posts, as well as the remains of one burnt house[1,2]. The pottery samples are from the 2013 campaign and originate from the house (001) and from various locations in the fills of four enclosure ditches (003, 053, 054, 055).

Serbia

Blagotin

Blagotin is situated in the northern outskirt of the village of Poljna near the foothills of the Blagotin Mountain. The site was discovered in 1984 during a survey of the region. Systematic excavations were conducted between 1989 and 2000 on a total area of c. 300 m^2. Blagotin was a small settlement with a surface area of 0.5 ha, which provided important information about settlement life and architecture during the Early Neolithic, including seven semi-subterranean dwellings and numerous areas of rubbish deposition and pits. The ^{14}C dates from this period of habitation have values around 6200-6000 calBC (Table S3). The site was reoccupied twice, during the Eneolithic (Baden-Kostolac culture) and the Early Iron Age (Hallstatt culture)[3-6]. All samples were selected from the 1995 excavations and originate from different stratigraphic levels and locations in the fill of Structure 3, a semi-subterranean dwelling.

Divostin

Discovered in 1952 during a survey led by the Archaeological Institute in Belgrade, the site of Divostin is considered as one of the major settlements of the Starčevo culture. The excavations took place in 1967 (by M. Bogdanovic) and between 1968-1974 (by D. Srejovic and A. McPherron) on a total area of c. 2,400 m^2. Divostin was first inhabited by Starčevo groups (Divostin I). Five radiocarbon dates on wood charcoal from this period of habitation have values of c. 6000-5700 calBC (Table S3). From the Divostin I phase, semi-subterranean

huts and surface-level houses, fireplaces, hearths and ovens, rubbish pits and refuse areas were uncovered. Following a gap of a thousand years, the site was resettled by Late Vinča groups (Divostin II)[7]. The samples belonged to a pottery assemblage derived from the 1967 excavation of M. Bogdanovic of a pit of the Divostin I period in Sector D.

Grivac

The site is located in the locality of Barice near the modern village of Grivac. Habitation remains from the Early Neolithic (Grivac I-III) and Late Neolithic (Grivac IV-VI) were recorded at this site on a total area of c. 25 ha. Series of trenches were excavated in different parts of the site in 1953-1954, as well as in 1957, 1969, and 1989-1994. Features from the Early Neolithic phase included semi-subterranean and above-ground houses[8]. There is one radiocarbon date from this phase, from Trench B, with a value of c. 6200-6000 calBC (Table S3). The pottery samples originate from two separate areas: 1) from the west part of the site (Trench IV and V from 1957, Trench A and B from 1969 and Trench A from 1990); 2) from the east part (Trench 1954 and Trench A from 1994).

Hungary

Alsónyék

The site of Alsónyék is located near the Danube in the southern part of the Sárköz region in the Tolna County, at the border of the Transdanubian Hills and the Great Hungarian Plain. The investigations at Alsónyék were conducted between 2006 and 2009 as a part of the rescue excavations along the M6 motorway on an area of c. 25 ha. The site was occupied during the Neolithic and Early Chalcolithic periods (Starčevo, LBK, Sopot and Lengyel culture groups). Alsónyék was the first large-scale excavation at a Starčevo site in Hungary and provided the largest Starčevo assemblage in this region so far. Occupation took place c. 5800-5730 cal BC (Table S3). The excavations identified two separate foci of Starčevo habitation, 10B and 5603. In the larger area 5603 some 500 features, mostly pits of various sizes and shapes, were assigned to the Starčevo period. Other Early Neolithic features included numerous well-preserved ovens, wells, and piles of burnt daub[9,10]. The samples originate from the fills of eleven pits in Area 5603, the main area of Starčevo occupation at Alsónyék.

Ecsegfalva 23

The site of Ecsegfalva was discovered in 1998 during large-scale archaeological surveys along the Kiri-Tó river. The excavations took place from 1999 to 2001 near an old meander of the Hortobágy-Berettyó river, northern tributary of Körös. Small-scale intensive excavations focused on three locations: Ecsegfalva 16, 18, and 23. A total of three trenches was opened at Ecsegfalva 23. The occupation of this location lasted for a short period of time with a starting date around 5800 calBC and peak activity between 5750 and 5650 cal BC (Table S3). Samples from the excavation campaigns in 1999-2001 were selected from all three trenches at Ecsegfalva 23: Area 23A (2 samples), Area 23B (31 samples) and 23C (8 samples).

Supplementary Table S1 Description of samples containing significant concentrations of archaeological lipid residues (FA, fatty acids).

Site	**Lab number**	**Vessel part**	**Context type and location**	**Lipids classes**	**$\delta^{13}C_{16:0}$ (‰)**	**$\delta^{13}C_{18:0}$ (‰)**	**$\Delta^{13}C$ (‰)**	**Lipid concen-tration (µg g^{-1})**	**Predominant commodity**
Yabalkovo	YAB 05	Rim	Pit fill, Pit 1	FA	-27.2	-27.1	0.1	82	Non-Ruminant Adipose Fats
	YAB 07	Body	Ditch fill, A1/10	FA	-27.3	-26.0	1.3	1356	Non-Ruminant Adipose Fats
	YAB 11	Body	Ditch fill, A/01	FA	-27.4	-29.0	-1.6	89	Ruminant Adipose Fats
	YAB 22	Rim	Concentration of finds, N35	FA	-28.0	-32.6	-4.6	54	Ruminant Dairy Fats
	YAB 24	Base	Concentration of finds, N35	FA	-28.8	-29.0	-0.2	49	Non-Ruminant Adipose Fats
	YAB 27	Base	Concentration of finds, N35	FA	-26.8	-31.8	-5.1	545	Ruminant Dairy Fats
	YAB 30	Rim	Concentration of finds, N35	FA	-25.1	-27.0	-2.0	151	Ruminant Adipose Fats
	YAB 31	Rim	Concentration of finds, N35	FA	-27.7	-31.4	-3.7	765	Ruminant Dairy Fats
	YAB 32	Body	Concentration of finds, N35	FA	-26.8	-28.1	-1.3	2632	Ruminant Adipose Fats
	YAB 33	Body	Concentration of finds, N35	FA	-26.1	-28.9	-2.8	3843	Ruminant Adipose Fats
	YAB 35	Rim	Concentration of finds, N35	FA	-24.8	-27.6	-2.8	266	Ruminant Adipose Fats
	YAB 37	Base	Concentration of finds, N35	FA	-27.6	-28.7	-1.1	5956	Ruminant Adipose Fats
	YAB 38	Body	Concentration of finds, N35	FA	-25.8	-29.7	-3.9	768	Ruminant Dairy Fats
	YAB 39	Base	Concentration of finds, N35	FA	-27.3	-30.3	-2.9	1169	Ruminant Adipose Fats
	YAB 40	Base	Concentration of finds, N35	FA	-28.0	-29.6	-1.7	726	Ruminant Adipose Fats
Nova Nadezhda	NNA 02	Rim	House, 001	FA	-28.8	-31.5	-2.8	53	Ruminant Adipose Fats
	NNA 07	Rim	House, 001	FA	-26.4	-30.8	-4.3	453	Ruminant Adipose Fats
	NNA 13	Body	Ditch fill, 003	FA	-27.7	-28.6	-0.9	146	Ruminant Adipose Fats
	NNA 20	Rim	Ditch fill, 054/2	FA	-28.2	-30.0	-1.8	138	Ruminant Adipose Fats
	NNA 21	Rim	Ditch fill, 054/2	FA	-25.7	-24.6	1.1	63	Non-Ruminant Adipose Fats

	NNA 23	Base	Ditch fill, 054/3	FA	-28.4	-29.9	-1.5	54	Ruminant Adipose Fats
	NNA 32	Rim	Ditch fill, 003	FA	-28.1	-31.0	-2.8	353	Ruminant Adipose Fats
	NNA 33	Rim	Ditch fill, 003	FA	-25.8	-29.4	-3.6	146	Ruminant Adipose Fats
	NNA 38	Rim	Ditch fill, 055	FA	-27.4	-28.7	-1.3	254	Ruminant Adipose Fats
Blagotin	BLA 17	Body	Pit fill, Ql/12	FA	-27.4	-31.8	-4.5	463	Ruminant Dairy Fats
	BLA 20	Rim	Pit fill, Q/18	FA	-24.7	-29.4	-4.6	572	Ruminant Dairy Fats
	BLA 23	Rim	Pit fill, Qg/09	FA	-28.4	-31.6	-3.2	5679	Ruminant Adipose Fats
	BLA 28	Body	Pit fill, Qi/12	FA	-28.9	-34.2	-5.3	783	Ruminant Dairy Fats
	BLA 29	Rim	Pit fill, Qd/11	FA	-28.0	-32.2	-4.2	235	Ruminant Dairy Fats
	BLA 30	Rim	Pit fill, Rh/14	FA	-29.3	-31.9	-2.6	752	Ruminant Adipose Fats
	BLA 32	Rim	Pit fill, Rh/14	FA	-29.9	-34.6	-4.7	1937	Ruminant Dairy Fats
	BLA 34	Rim	Pit fill, Ql/11	FA	-27.3	-31.9	-4.6	93	Ruminant Dairy Fats
	BLA 36	Body	Pit fill, Ql/09	FA	-26.5	-30.6	-4.0	409	Ruminant Dairy Fats
Divostin	DIV 13	Rim	Pit fill, D-2/V-67	FA	-30.6	-29.4	1.2	102	Non-Ruminant Adipose Fats
	DIV 21	Rim	Pit fill, D_1-2/V-67	FA	-31.4	-30.3	1.2	264	Non-Ruminant Adipose Fats
	DIV 40	Rim	Pit fill, D-1/V-67	FA	-29.1	-32.7	-3.6	367	Mixture Ruminant Adipose/Ruminant Dairy Fats
Grivac	GRI 03	Rim	1969/A/VI	FA	-26.5	-31.1	-4.6	1673	Ruminant Dairy Fats
	GRI 06	Rim	1969/B/VI	FA	-27.3	-30.6	-3.3	232	Mixture Ruminant Adipose/Ruminant Dairy Fats
	GRI 17	Rim	1969/B/IV	FA	-28.6	-31.5	-2.9	1257	Ruminant Adipose Fats
	GRI 18	Rim	An 10/41	FA	-26.1	-27.9	-1.8	541	Ruminant Adipose Fats
	GRI 26	Rim	1969/A/V, 14	FA	-27.6	-30.2	-2.6	233	Ruminant Adipose Fats
	GRI 32	Rim	1994/A/VIIc	FA	-28.5	-32.1	-4.0	219	Ruminant Dairy Fats
Alsonyek	ALS 01	Rim	Pit fill, 704	FA	-27.1	-5.1	-5.1	1352	Ruminant Dairy Fats
	ALS 10	Rim	Pit fill, 617	FA	-26.1	-32.2	-4.6	503	Ruminant Dairy Fats
	ALS 11	Rim	Pit fill, 617	FA	-27.9	-31.8	-4.0	624	Ruminant Dairy Fats
	ALS 12	Rim	Pit fill, 617	FA	-27.7	-31.9	-4.2	881	Ruminant Dairy Fats
	ALS 18	Rim	Pit fill, 720	FA	-28.9	-33.4	-4.5	903	Ruminant Dairy Fats
	ALS 22	Rim	Pit fill, 720	FA	-28.5	-30.5	-2.1	2265	Ruminant Adipose Fats
	ALS 23	Body	Pit fill, 720	FA	-28.1	-33.1	-5.0	1398	Ruminant Dairy Fats
	ALS 24	Rim	Pit fill, 720	FA	-28.7	-33.4	-4.7	774	Ruminant Dairy Fats
	ALS 25	Base	Pit fill, 687	FA	-27.9	-30.1	-2.2	548	Ruminant Adipose Fats
	ALS 30	Rim	Pit fill, 687	FA	-28.5	-32.1	-3.7	259	Ruminant Dairy Fats
	ALS 31	Rim	Pit fill, 687	FA	-27.3	-30.0	-2.6	487	Ruminant Adipose Fats
	ALS 34	Rim	Pit fill, 708	FA	-27.8	-32.7	-4.9	672	Ruminant Dairy Fats
	ALS 36	Rim	Pit fill, 1078	FA	-27.3	-29.0	-1.7	152	Ruminant Adipose Fats
	ALS 38	Rim	Pit fill, 1078	FA	-28.3	-30.9	-2.6	1393	Ruminant Adipose Fats
Ecsegfalva 23	ECS 08	Rim	23C/515	FA	-26.0	-30.2	-4.2	177	Ruminant Dairy Fats
	ECS 16	Rim	23B/475	FA	-27.3	-31.2	-3.9	912	Ruminant Dairy Fats
	ESC 17	Rim	23B/376	FA	-28.0	-25.7	2.3	1298	Non-Ruminant Adipose Fats

	ESC 19	Rim	23B/376	FA	-28.1	-31.0	-2.9	119	Ruminant Adipose Fats
	ESC 21	Rim	23B/430	FA	-27.4	-31.9	-4.5	347	Ruminant Dairy Fats
	ESC 26	Rim	23B/464	FA	-27.5	-30.0	-2.5	113	Ruminant Adipose Fats
	ESC 28	Rim	23B/301	FA	-27.6	-30.9	-3.2	75	Ruminant Dairy Fats
	ESC 32	Rim	23B/301	FA	-26.9	-31.0	-4.0	151	Ruminant Dairy Fats

Supplementary Table S2. Data on taxonomic abundances in faunal assemblages from early farming sites in the Aegean, the Balkans and the Carpathian Basin.

Sites	Period/ Culture group	NISP **	Cattle NISP	Cattle %	Goat NISP	Sheep NISP	Sheep /Goat NISP	Capri-nes %	Pig NISP	Pig %	Large game NISP	Large game %	Refer ence
Carpathian Basin													
Alsónyék	Starčevo	428	124	28.97			81	18.92	17	3.97	188	44	11
Ecsegfalva 23	Körös	4337	436	10.05	9	408	3067	80.33	66	1.52	248	5.82	12
Endröd 119	Körös	22366	5139	22.98	298	2332	12717	68.62	140	0.63	1645	7.35	13
Foeni-Gaz	Criş II	7561	2600	34.39			3054	40.39	386	5.11	1489	19.7	14
Foeni-Salaş	Criş II	2563	895	34.92	77	270	668	39.60	99	3.86	536	21	15
Lánycsók	Starčevo	1068	209	19.57	21	103	791	85.67	16	1.50	51	4.77	16
Ludas Budžak	Körös	2450	284	11.59			1863	76.04	8	0.33	572	23.34	17
Miercurea Sibiului-Petris	Criş I-III	890	486	54.61			262	29.44	9	1.01	128	16	18
Nosa	Körös	911	95	10.42			115	12.62	18	1.97	736	80.79	19
Röszke	Körös	1397	153	10.95			631	45.17	14	1.00	525	38.69	20
Şeusa-Cărarea Morii	Criş IB-IIA	1086	335	30.85			620	57.09	77	7.09	51	4.7	14
Szajol	Körös	1361	576	42.32			680	49.96	2	0.15	87	6.45	20
Szolnok-Szanda	Körös	6556	1557	23.75	58	571	3428	61.88	93	1.42	714	11.06	20
Tiszaszőlős	Körös	949	242	25.50		137		14.43	33	3.47	459	48.36	21
Northern Balkans													
Blagotin	Proto-Starčevo	8706	2684	30.83	281	1048	3841	59.38	115	1.32	722	8.29	3
Divostin	Proto-Starčevo	2398	1117	46.58	14	92	875	40.9	84	3.50	200	8.34	22
Donja Branjevina	Proto-Starčevo	1926	404	11.20			1306	36.22	26	0.72	1856	33.63	23
Golokut	Starčevo	1160	260	22.41	2	6	118	10.86	23	1.98	747	64.39	24
Koprivec	Criş	2005	976	48.68	18	127	645	39.40	5	0.25	223	11.62	25
Lepenski Vir	Proto-Starčevo	1959	375	19.14			81	4.13	8	0.4	1355	69.16	26
Magura-Boldullui Moş Ivañus*	Criş I	8500		31				60		0.1		8	27
Mihajlovac	Starčevo	2554	853	33.40	35	137	1268	56.38	5	0.20	255	9.98	28
Ovcharovo-Gorata	Karanovo II	1251	803	64.19	8	6	213	18.15	101	8.07	114	9.11	29
Samovodene*	Karanovo II	2170		80								35	30
Schela Cladovei	Criş	1569	400	25.49		35	292	20.84	66	4.20	747	47.6	31
Starčevo-Grad	Starčevo	1159	505	43.57		4	213	18.72	31	2.67	403	34.77	32
Southern Balkans													
Anzabegovo I-III	Anzabegovo -Vršnik I-III	3192	305	9.56			2476	77.57	288	9.02	80	2.5	33
Kapitan Dimitrievo	Karanovo I	1650	512	31.03			932	56.48	127	7.70	72	4.4	34
Karanovo I	Karanovo I	4671	990	21	76	265	2234	55	374	8	630	13,48	35
Kovacevo*	Karanovo I			14				65		21		3.5	30
Madžari	Anzabegovo -Vršnik IV	2856	1104	38.65	33	145	1116	45.30	273	9.55	167	5.65	36

Mursalevo	Karanovo I	2954	364	12.32	39	210	1452	57.58	488	16.51	394	13.33	37
Na Breg*	Anzabegovo -Vršnik	1407		14.6			76.8			5.7		2.4	38
Rakitovo	Karanovo I	4373	1944	44.45			897	20.51	214	4.89	1278	29.21	39
Slatina	Karanovo I	3861	1637	42.40	33	202	1268	32.84	350	9.07	362	9.17	40
Yabalkovo	Karanovo I	2086	513	24.59	12	31	1298	64.29	159	7.62	49	2.35	41
Aegean													
Achilleion II	Ceramic EN	1489	61	4.09			1157	77.7	152	10.2	73	4.9	42
Argissa	Aceramic EN	2195	103	4.69		33	1820	84.42	216	9.84	52	2.37	43
Franchthi*	Ceramic EN						70			30			44
Nea Nikomedia	Ceramic EN	450	64	14.44			310	68.89	65	14.44	11	2,44	45
Prodromos 1-2	Ceramic EN	1299	388	29.86			718	55.27	171	13.16	22	1.69	46
Revenia-Korinou	Ceramic EN	2140	257	12			1470	68.69	363	16.96	30	1.40	47
Servia*	MN			15				60		15		10	48
Sesklo	Ceramic EN	721	92	13.80			427	64.1	144	21.6	21	2.9	49
Ulucak V/early	Ceramic EN	2149	394	18.33	55	96	1215	63.65	289	13.44	63	2.9	50

Dating of periods/culture gorups[51-55]: Proto- Starčevo, Criş I - 6100-5900 BC, Starčevo, Körös, Criş II-III - 5900-5600 BC, Karanovo I, Anzabegovo- Vršnik I-III 6100/6000-5700 BC, Karanovo II, Anzabegovo- Vršnik IV - 5700-5500 BC, Aceramic EN – early 7th mill. BC, Ceramic EN - 6500-5900 BC, MN - 5900-5600 BC

* site not included in Fig. 3
** excludes birds, reptiles, small rodents, fish and molluscs

Supplementary Table S3. Radiocarbon dates from sites sampled for organic residue analysis

Site	Lab. no.	Date BP	Material	Context	References
Yabalkovo	OxA-20173	7040 ±32	Human bone	Burial 2	56
Yabalkovo	OxA-20174	6971 ±35	Human bone	Burial 1	56
Yabalkovo	OxA-23558	6930 ±45	Grain	Pit 1 in AA22–23, 0.4 m	56
Yabalkovo	OxA-23560	6892 ±40	Grain	Pit 1 in AA24–26, 0.7 m	56
Yabalkovo	OxA-23561	6849 ±39	Grain	Pit 1 in AA19, 0.5 m	56
Yabalkovo	OxA-23559	6791 ±40	Grain	Pit 1 in AA22–23, 0.4 m	56
Yabalkovo	OxA-24530	6763 ±36	Charcoal	Ditch B1, Area 5, 1.50 m	56
N. Nadezhda	SUERC-53068	6979 ± 33	Large mammal, long bone	Ditch 054/1	1
N. Nadezhda	SUERC-53069	6895 ± 33	Large mammal	Ditch 054/3	1
N. Nadezhda	SUERC-58062	6836 ± 35	Cattle calcaneus	Ditch 054/2	1
N. Nadezhda	SUERC-53067	6789 ± 33	Roe deer femur	Ditch 054/1	1
N. Nadezhda	SUERC-53070	6767 ± 33	Cattle scapula	Ditch 054/3	1
N. Nadezhda	SUERC-58064	6749 ± 33	Cattle vertebrum	Ditch 054/2	1
N. Nadezhda	SUERC-53071	6746 ± 30	Sheep tibia	Ditch 054/2	1
N. Nadezhda	SUERC-62352	6798 ± 41	Human right tibia	Burial 166	1
N. Nadezhda	SUERC-62346	6761 ± 41	Human right tibia	Burial 062	1
N. Nadezhda	SUERC-62347	6733 ± 41	Human tibia	Burial 070	1
N. Nadezhda	SUERC-62349	6712 ± 41	Human tibia	Burial 085	1
N. Nadezhda	SUERC-62342	6657 ± 38	Human left femur	Burial 042	1
Blagotin	OxA-8608	7480 ±55	Red deer antler	Pit dwelling ZM7	51
Blagotin	OxA-8609	7270 ±50	Human infant bone	Pit dwelling ZM7	51
Blagotin	OxA-8760	7230 ±50	Bone perforator	Pit dwelling ZM7	51
Divostin	Bln-823	7080 ±180	Charcoal	Feature 15 (earth-cabin 5)	7
Divostin	Bln-866	7060 ±100	Charcoal	Beneath floor House 17 (Divostin	7
Divostin	Bln-866a	7200 ±100	Charcoal	Beneath floor House 17 (Divostin	7
Divostin	Bln-931	7050 ±100	Charcoal	Beneath floor House 17 (Divostin	7
Divostin	Bln-862	6995 ±100	Charcoal	Posthole	7
Divostin	Bln-899	7200 ±100	Charcoal	Posthole	7
Divostin	Bln-824	6970 ±100	Charcoal	Feature 15 (earth-cabin 5)	7
Divostin	Bln-896	6945 ±100	Charcoal	Feature 120E, pit 22	57
Divostin	BM-573	6935 ±100	Charcoal	Feature 120E, pit 22	57
Grivac	Bln-869	7250 ±100	Charcoal	Pit, Sonda B	7
Alsónyék	OxA-30230	6639 ±35	Sheep/goat femur	Site 5603, 605/179, pit	10
Alsónyék	SUERC-51449	6886 ±31	Wild boar radius	Site 5603, 617/222, pit	10
Alsónyék	OxA-30481	6822 ±36	Sheep/goat centrotarsal	Site 5603, 675/346, pit	10
Alsónyék	OxA-30231	6647 ±37	Sheep/gat radius	Site 5603, 676/410, pit	10

Alsónyék	SUERC-51450	6590 ±32	Cattle vertebra	Site 5603, 687/1248, pit	10
Alsónyék	MAMS-11926	6649 ±29	Human bone	Site 5603, 688, burial	10
Alsónyék	SUERC-57541	6830 ±35	Cattle humerus	Site 5603, 704/358, pit	10
Alsónyék	SUERC-51451	6656 ±32	Aurochs tibia	Site 5603, 708/871, pit	10
Alsónyék	Poz-67492	6480 ±40	Cattle tibia	Site 5603, 708/872, pit	10
Alsónyék	SUERC-57540	6660 ±34	Wild boar ulna	Site 5603, 720/453, pit	10
Alsónyék	OxA-X-2586-	6625 ±40	Cattle radius	Site 5603, 720/848, pit	10
Alsónyék	MAMS-11927	6852 ±31	Human bone	Site 5603, 721, burial	10
Alsónyék	MAMS-11928	6677 ±27	Human bone	Site 5603, 745, burial	10
Alsónyék	MAMS-11929	6571 ±34	Human bone	Site 5603, 746, burial	10
Alsónyék	MAMS-11930	6672 ±35	Human bone	Site 5603, 775, burial	10
Alsónyék	MAMS-11931	6657 ±30	Human bone	Site 5603, 797, burial	10
Alsónyék	SUERC-57542	6644 ±36	Human bone	Site 5603, 1061, burial	10
Alsónyék	Poz-67494	6750 ± 40	Sheep/goat radius	Site 5603, 1072/1296, oven	10
Alsónyék	SUERC-5145	6903 ± 35	Sheep/goat tibia	Site 5603, 1078/5112, pit	10
Alsónyék	MAMS-11932	6661 ± 25	Human bone	Site 5603, 1372, burial	10
Alsónyék	SUERC-51453	6708 ± 33	Cattle ulna	Site 5603, 1383/1930	10
Alsónyék	OxA-30353	6738 ± 33	Human bone	Site 5603, 1398, child burial	10
Alsónyék	OxA-30354	6679 ± 34	Human bone	Site 5603, 1398, child burial	10
Alsónyék	OxA-X-2583-	6906 ± 34	Wild boar femur	Site 5603, 1428/4865, pit	10
Alsónyék	MAMS-11933	6704 ±34	Human bone	Site 5603, 1435, burial	10
Alsónyék	MAMS-11934	6800 ±35	Human bone	Site 5603, 1436, burial	10
Alsónyék	MAMS-11935	6857 ±31	Human bone	Site 5603, 1483, burial	10
Alsónyék	SUERC-51454	6713 ±33	Sheep/goat metapodial	Site 5603, 1501/2248, pit	10
Alsónyék	MAMS-11936	6698 ±34	Human bone	Site 5603, 1525, burial	10
Alsónyék	SUERC-51458	6850 ±33	Sheep/goat femur	Site 5603, 1526/2717, pit	10
Alsónyék	MAMS-11937	6709 ±34	Human bone	Site 5603, 1527, burial	10
Alsónyék	MAMS-11938	6617 ±38	Human bone	Site 5603, 1528, burial	10
Alsónyék	MAMS-11939	6695 ±40	Human bone	Site 5603, 1532, burial	10
Alsónyék	MAMS-11940	6853 ±38	Human bone	Site 5603, 1333, burial	10
Ecsegfalva	OxA-11983	6915 ±36	Sheep/goat	Trench 23A	58
Ecsegfalva	OxA-11871	6930 ±40	Cereal grains	Trench 23A	58
Ecsegfalva	OxA-11863	6825 ±45	Cereal grains	Trench 23A	58
Ecsegfalva	OxA-9334	6855 ±50	Emmer	Trench 23A	58
Ecsegfalva	OxA-9335	6920 ±50	Barley	Trench 23A	58
Ecsegfalva	OxA-10678	6250 ±45	Human bone	Trench 23A	58
Ecsegfalva	OxA-12859	6818 ±44	Cattle	Trench 23B	58
Ecsegfalva	OxA-11982	6806 ±39	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-12855	6596 ±42	Sheep	Trench 23B	58
Ecsegfalva	OxA-11850	6780 ±50	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-10501	6885 ±50	Roe deer	Trench 23B	58
Ecsegfalva	OxA-10500	6900 ±60	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-9333	6860 ±45	Cattle	Trench 23B	58
Ecsegfalva	OxA-13511	6785 ±45	Sheep	Trench 23B	58
Ecsegfalva	OxA-12857	7944 ±44	Cattle	Trench 23B	58
Ecsegfalva	OxA-9332	6810 ±45	Sheep	Trench 23B	58
Ecsegfalva	OxA-9331	6815 ±45	Sheep	Trench 23B	58
Ecsegfalva	OxA-12858	6782 ±42	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-11845	6865 ±40	Cattle	Trench 23B	58
Ecsegfalva	OxA-12854	6774 ±45	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-X-2040-	6780 ±39	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-9328	6815 ±50	Large mammal	Trench 23B	58
Ecsegfalva	OxA-X-2040-	6775 ±37	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-X-2040-	6787 ±37	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-9330	6795 ±50	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-9325	6690 ±50	Equid	Trench 23B	58
Ecsegfalva	OxA-10148	6665 ±50	Equid	Trench 23B	58
Ecsegfalva	OxA-12140	6729 ±32	Sheep	Trench 23B	58
Ecsegfalva	OxA-13510	6731 ±43	Sheep/goat	Trench 23B	58
Ecsegfalva	OxA-12860	6826 ±41	Cattle	Trench 23C	58
Ecsegfalva	OxA-11984	6893 ±36	Sheep	Trench 23C	58
Ecsegfalva	OxA-10505	6845 ±50	Sheep/goat	Trench 23C	58
Ecsegfalva	OxA-12141	1335 ±26	Human bone	Trench 23C	58
Ecsegfalva	OxA-11868	6750 ±45	Cattle	Trench 23C, Pit 393	58
Ecsegfalva	OxA-11849	6660 ±40	Animal bone	Trench 23C, Pit 394	58
Ecsegfalva	OxA-12655	6830 ±35	Sheep/goat	Trench 23C, Pit 395	58
Ecsegfalva	OxA-12654	6889 ±36	Sheep/goat	Trench 23C, Pit 396	58

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